

Curriculum vitae

NITISH KUMAR MAHATO, Ph.D.

- **Contact-** +91-9953827494 **E-mail-** nitishyayati.du@gmail.com
- **Current designation-** Assistant Professor at University Department of Zoology, Kolhan University, Chaibasa, Jharkhand-833201.
- **Correspondence-** BA-3/3, 3rd Floor, Bhawani Apartment, Tungri, Chaibasa, Jharkhand, India.
- **Google scholar:** <https://scholar.google.co.in/citations?user=dcn7cvwAAAAI&hl=en>
- **Researchgate:** https://www.researchgate.net/profile/Nitish_Mahato

Objective

Keen to pick up new skills, apply my knowledge gained so far and eager to learn from opportunities.

Personal Information

Father's Name: Surendra Mahato
Mother's Name: Haimbati Mahato
Permanent address: Village- Khuntiapada, P.O.- Jaintgarh, District- West Singhbhum, Jharkhand- 833203, India.
Date of birth: 6th January 1990
Gender: Male
Nationality: Indian
Category: Other Backward Caste (OBC) Non-creamy layer
Marital Status: Married
Languages known: Hindi, English, Bengali

Teaching Experience

- Assistant Professor at University Department of Zoology, Kolhan University, Chaibasa (February 2022 – Till date)
Subjects taught:
Theory: Molecular Biology, Bioinformatics, Reproductive Physiology
- Assistant Professor (Ad-hoc) at Deen Dayal Upadhyaya College, University of Delhi (January 2019 – February 2022)
Subjects taught:
Theory: Molecular Biology, Reproductive Biology, Developmental Biology, Genetics, Biochemistry, Comparative Anatomy of Vertebrates, Physiology

Practical: Molecular Biology, Non-chordates (Acoelmates & Coelomates), Human physiology, Perspectives in Ecology, Genetics, Comparative Anatomy of Vertebrates, Biochemistry, Reproductive Biology, Apiculture

- Assistant Professor (Ad-hoc) at Zakir Husain Delhi College, University of Delhi (August 2018 – November 2018)

Subjects taught:

Theory: Molecular Biology, Perspectives in Ecology

Practical: Molecular Biology, Non-chordates (Acoelmates)

- Assistant Professor (Guest) at Zakir Husain Delhi College, University of Delhi (January 2018 – April 2018)

Subjects taught:

Theory: Cell Biology, Evolutionary Biology

Practical: Non-chordates (Coelomates), Evolutionary Biology

Academic Qualification

Examination passed	Institution/ University/ Council	Year of Passing	Division with % of marks obtained	Subjects taken
Ph.D.	Department of Zoology, University of Delhi	2019	Awarded	Zoology
M.Sc.	Department of Zoology, University of Delhi	2013	1 st , 64.4	Zoology
B.Sc. (Hons) Zoology	St. Xavier's College, Ranchi, Ranchi University	2011	1 st , 72.7	Zoology, Botany, Chemistry, English
Intermediate Science (XII th)	St. Xavier's College, Ranchi Jharkhand Academic Council	2006	1 st , 68	Biology, Physics, Chemistry, English, Computer Science
Matriculation (X th)	K.N.J. High School, Chakulia Jharkhand Academic Council	2004	1 st , 73.8	Science, Social Science, Mathematics, English, Hindi, Sanskrit
CSIR NET- JRF	CSIR	2012	Passed	Life Science
GATE	GATE	2012	Qualified	Biotechnology

Key Laboratory and Research Skills

- **Molecular Biology:** Plasmid, Genomic and metagenomic DNA isolation, DNA quantification, PCR (Polymerase Chain Reaction), RT-PCR, Agarose Gel

electrophoresis, SDS-PAGE, 2-D gel electrophoresis, RNA isolation, Sanger DNA Sequencing, Whole cell Protein isolation, Protein purification, FPLC, Maintenance of bacterial cultures, Polyphasic taxonomy for bacterial systematic, Bacterial transformation.

- **Computer Programming Languages:** C and C++, Python
- Expertise of working on computational biology and bioinformatics (on Linux environment- Ubuntu)
- **Bioinformatics Tools:** Genomics, Comparative genomics, Metagenomics.
- Good communication skills, both written as well as verbal.

Area of Interest

- Zoology
- Molecular Biology
- Microbiology
- Genomics and Metagenomics

Awards, Grants and Academic Achievements

- International Travel Grant from DST-SERB to attend **7th Congress of European Microbiologists (FEMS-2017)** held at **Feria Valencia, Valencia, Spain.**
- Qualified **Graduate Aptitude Test in Engineering (GATE)**; Rank 665 on November 2013.
- Qualified **“Joint CSIR-UGC Test for Junior Research Fellowship (JRF) and Eligibility for Lectureship (NET)”** examination; Rank 0061/0644 held on June 2012.
- First position in school at secondary examination level on May 2004.

Resource Person/Invited Speaker in National/International Conferences/Workshops/Seminar/Symposia/Training programs

- Resource person in one day inter-college workshop under the aegis of Science Foundation and DBT Star College Program of Deen Dayal Upadhyaya College on **“Techniques in Molecular Microbiology”** in association with Acharya Narendra Dev College on 25th February 2020.

- Resource person in Two-week National summer training-cum-workshop on “Fundamentals of Microbiology (BASIC)” organized by Department of Zoology (under the aegis of DBT star college scheme) at Deen Dayal Upadhyaya College, Sector-3, Dwarka, New Delhi-110078 from 27th June to 12th July 2019.

National/International Workshops/ Conference Organized

- **Coordinator** of “**National Science Day Celebration-2022**” organized at Kolhan University, Chaibasa on the occasion of National Science Day under the aegis of Internal Quality Assurance Cell from February 28 to March 29, 2022.
- **Organizing committee member** of **SKILL ENRICHMENT PROGRAM (BASIC)** on “**Bacterial Genomics & Metagenomics**” collaboratively with Dept. of Zoology, Deen Dayal Upadhyaya College (University of Delhi), PG Dept. of Zoology (Magadh University), Bhaskaracharya College of Applied Sciences (University of Delhi), Kirori Mal College (University of Delhi) & PhiXgen Pvt. Ltd., Gurugram, INDIA under the aegis of Synapses, Science Foundation & Deeksharambh, DDUC and Episteme, KMC from 15th January to 7th February 2022.
- **Session coordinator** of “**When she is healthy, we are healthy!**” delivered by Dr. Malini Laloraya in **Two-day International Online Symposium** on “**Reproductive Health and Physical Fitness**” on the occasion of National Women’s Health and Fitness Day – 2021 under the aegis of IQAC, DBT Star College Program and DDUC-NASI initiative and organized by Deen Dayal Upadhyaya College, University of Delhi on September 28-29, 2021.
- **Teacher coordinator** of the session “**Does Temperature Affect Permeability of Cell Membrane**” of the **BRIDGE PROGRAM** (Bringing Science Home) under the aegis of Synapses- the Zoological Society and the Science Foundation, Deen Dayal Upadhyaya College, University of Delhi on September 25, 2021.
- **Organizing committee member** of “**Microsphere: An International Outreach Program**” on occasion of International Microorganism Day organized by Deen Dayal Upadhyaya College, Gargi College, IIT Roorkee, Kirorimal College, Ramjas College, PG Department of Zoology, Magadh University and PhiXgen Pvt. Ltd. Gurugram in association with Acharya Narendra Dev College, Maitreyi College, Sri Venkateshwara College and CMP College, University of Allahabad on September 17, 2021.
- **Event coordinator** of the **Virtual Tour of National Dairy Research Institute, Karnal** organized under the aegis of Synapses, the Zoological Society and Science Foundation Deen Dayal Upadhyaya College, University of Delhi on September 09, 2021.
- **Organizing committee member** in 61st Annual Conference of Association of Microbiologists of India (AMI-2021) and Indian Network for Soil Contamination Research (INSCR) in association with The Energy and Resources Institute (TERI), Department of Zoology, University of Delhi (DU), Indian Agricultural Research

Institute (IARI) & Indian National Science Academy (INSA) on “Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences” from February 3-5, 2021.

- Organized “**BaSIC IV- Bani School Innovation Camp, 2019, Dream School**” under University of Delhi-INSA outreach program, Deeksharambh student induction program (UGC), International union of microbiological societies (IUMS), Association of Microbiologists of India (AMI), Indian Network for Soil Contamination Research (INSCR), Science foundation and DBT Star College Program, Deen Dayal Upadhyaya College, Ramjas College and Acharya Narendra Dev College (University of Delhi) at Government Senior Secondary School, Bani, Himachal Pradesh, India on October 22, 2019.
- Organized “**Biar Initiative- A school outreach program for enrichment**” under University of Delhi-INSA outreach program, Deeksharambh student induction program (UGC), International union of microbiological societies (IUMS), Association of Microbiologists of India (AMI), Indian Network for Soil Contamination Research (INSCR), Science foundation and DBT Star College Program, Deen Dayal Upadhyaya College, Ramjas College and Acharya Narendra Dev College (University of Delhi) at Government Senior Secondary School, Biar, Himachal Pradesh, India on October 21, 2019.
- **Organizing committee member** in Two-week National summer training-cum-workshop on “Fundamentals of Microbiology (BASIC)” organized by Department of Zoology (under the aegis of DBT star college scheme) at Deen Dayal Upadhyaya College, Sector-3, Dwarka, New Delhi-110078 from 27th June to 12th July 2019.
- Organized “**BaSIC II- Bani School Innovation Camp 2018, Dream School: An Initiative** by the INSA outreach program and University of Delhi under the aegis of Association of Microbiologists of India (AMI) and DBT Star College Project in Bani, Himachal Pradesh, India on March 7, 2018.
- Organized Workshop 2017 on “**Hands on to Computational Biology for (Meta) Genomics Analysis**” under the umbrella of Department of Zoology and Department of Environment Studies, University of Delhi at committee room, Department of Zoology on November 22, 2017.
- Organized “**INSCR International Conference 2017**” under the aegis of Indian Network for Soil Contamination Research (INSCR) and Department of Zoology, University of Delhi, at Conference Centre, University of Delhi on September 26-28, 2017.
- Organized “**BaSIC- Bani School Innovation Camp 2016**, an initiative by Prof. Rup Lal (under INSA outreach program), students from University of Delhi and Dr. Sukanya Lal and Star College Team from Ramjas College, University of Delhi (DBT Star College Initiative) in Bani, Himachal Pradesh, India on December 23-24, 2016.
- Organized National Workshop on “**Microbial Genomics and Metagenomics**” at Department of Zoology, University of Delhi under the aegis of IUMS-INSA (International Union of Microbiological Societies-Indian National Science Academy),

AMI Delhi Unit, University of Delhi and INSCR (Indian Network for Soil Contamination Research) on September 22, 2016.

- Organized the workshop entitled as “**Renovating Bacterial Taxonomy with Bioinformatics**” organized under the aegis of Indian Council of Agricultural Research- National Bureau of Agriculturally Important Microorganisms (ICAR-NBAIM) and Department of Zoology, University of Delhi on April 14-15, 2015.

Participation in National/International Conferences/Workshops/Seminar/ Symposia/Training programs

- Participated in a two-day National Workshop on Intellectual Property Rights organized by Department of Botany and Zoology, Deen Dayal Upadhyaya College, University of Delhi under the aegis of DBT star college scheme during August 22-23, 2019.
- Participated in campus bird count in Deen Dayal Upadhyaya College organized for “**2019 Great Backyard Bird Count**” on 15th February 2019.

Participation in National/International Faculty Development Program/Webinar/e-Workshops/e-Symposia/e-Training programs

- Completed four-week online “**11th Guru Dakshta Faculty Induction Program**” organized by UGC-HRDC, Ranchi University, Jharkhand from 3rd to 30th June, 2022.
- Completed National one-week online Faculty Training Program on “**Pedagogical Training for Effective Online Teaching & Learning**” organized by Deen Dayal Upadhyaya College (University of Delhi) & K. T. H. M. College, Nashik under the aegis of Internal Quality Assurance Cell & DBT Star College Program from 3rd to 10th August, 2020.
- Completed one professional developmental hour by attending special public webinar on “National Education Policy 2020 – Strategy for self-reliant India” organized by Internal Quality Assurance Cell, Deen Dayal Upadhyaya College, University of Delhi on August 25, 2020.

Membership

- Life Member of Association of Microbiologists of India (AMI).
- Life Member of Indian Network for Soil Contamination Research (INSCR).

Publications

1. Sood, U., Dhingra, G.G., Anand, S., Hira, P., Kumar, R., Kaur, J., Verma, M., Singhvi, N., Lal, S., Rawat, C.D., Singh, V.K., Kaur, J., Verma, H., Tripathi, C., Singh, P., Dua, A., Saxena, A., Phartyal, R., Jayaraj, P., Makhija, S., Gupta, R., Sahni, S., Nayyar, N., Abraham, J.S., Somasundaram, S., Lata, P., Solanki, R., **Mahato, N.K.**, Prakash, O., Bala, K., Kumari, R., Toteja, R., Kalia, V.C., Lal, R. 2022. Microbial Journey: Mount Everest to Mars. *Indian J Microbiol* <https://doi.org/10.1007/s12088-022-01029-6>.
2. Anand, S., Lal, S., Sood, U., Gupta, V., Dhingra, G.G., Solanki, R., Kaur, J., Kumar, R., Saxena, A., Dua, A., Tripathi, C., Talwar, C., Rawat, C.D., Kaur, H., Verma, H., Kaur, J., Verma, M., Singh, M., Hira, P., Singhvi, N., **Mahato, N.K.**, Prakash, O., Malhotra, J., Lal, R., Kalia, V.C. 2021. The Alphabet of the Elementary Microbiology: Revisited. *Indian J Microbiol* doi: 10.1007/s12088-021-00987-7.
3. Dhingra, G.G., Saxena, A., Nigam, A., Hira, P., Singhvi, N., Anand, S., Kaur, J., Kaur, J., Dua, A., Negi, V., Gupta, V., Sood, U., Kumar, R., Lal, S., Verma, H., Verma, M., Singh, P., Rawat, C.D., Tripathi, C., Talwar, C., Nagar, S., **Mahato, N.K.**, Prakash, O., Singh, M., Kuhad, R.C., Singh, Y., Lal, B., Pabbi, S., Singh, N., Kalia, V.C., Lal, R. 2021. Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences; An Annual Conference Organized by Association of Microbiologists of India and Indian Network for Soil Contamination Research. *Indian J Microbiol* 61:111-115.
4. **Mahato, N.K.**, Sharma, A., Singh, Y. & Lal, R. 2019. Comparative Metagenomic analyses of a high altitude Himalayan geothermal spring revealed temperature constrained habitat-specific microbial community and metabolic dynamics. *Arch Microbiol* 201:377-388.
5. Sharma, A., Schmidt, M., Kiesel, B., **Mahato, N.K.**, Cralle, L., Singh, Y., Richnow, H.H., Gilbert, J.A., Arnold, W. & Lal, R. 2018. Bacterial and archaeal viruses of Himalayan hot springs at Manikaran modulate host genomes. *Front Microbiol* 9:3095.
6. Maji, A., Misra, R., Dhakan, D., Gupta, V., **Mahato, N.K.**, Saxena, R., Mittal, P., Thukral, N., Sharma, E., Singh, A., Virmani, R., Gaur, M., Singh, H., Hasija, Y., Arora, G., Agrawal, A., Chaudhry, A., Khurana, J.P., Sharma, V.K., Lal, R. & Singh, Y. 2018. Gut microbiome contributes to impairment of immunity in pulmonary tuberculosis patients by alteration of butyrate and propionate producers. *Environ Microbiol* 20:402-419.
7. **Mahato, N.K.**[†], Gupta, V.[†], Singh, P.[†], Kumari, R.[†], Verma, H., Tripathi, C., Rani, P., Sharma, A., Singhvi, N., Sood, U., Hira, P., Kohli, P., Nayyar, N., Puri, A., Bajaj, A., Kumar, R., Negi, V., Talwar, C., Khurana, H., Nagar, S., Sharma, M., Mishra, H., Singh, A.K., Dhingra, G., Negi, R.K., Shakarad, M., Singh, Y. & Lal, R. 2017. Microbial Taxonomy in the Era of OMICS: Application of DNA Sequences, Computational Tools and Techniques. *Antonie Van Leeuwenhoek* 110:1357-1371.

8. Rani, P., **Mahato, N.K.**, Sharma, A., Rao, D.L.N., Kamra, K. & Lal, R. 2017. Genome mining and predictive functional profiling of acidophilic rhizobacterium *Pseudomonas fluorescens* Pt14. *Indian J Microbiol* 57:155-161.
9. Singh, A.K., Kohli, P., **Mahato, N.K.** & Lal, R. 2017. *Paracoccus sordidisoli* sp. nov., isolated from agricultural field contaminated with Hexachlorocyclohexane (HCH) muck. *Int J Syst Evol Microbiol* 67: 4365-4371.
10. **Mahato, N.K.**, Tripathi, C., Nayyar, N., Singh, A.K. & Lal, R. 2016. *Pontibacter ummariensis* sp. nov., isolated from a hexachlorocyclohexane contaminated soil. *Int J Syst Evol Microbiol* 66: 1080-1087.
11. Tripathi, C., **Mahato, N.K.**, Rani, P., Singh, Y., Kamra, K. & Lal, R. 2016. Draft genome sequence of *Lampropedia cohaerens* strain CT6 isolated from arsenic rich microbial mats of a Himalayan hot water spring. *Stand Genomic Sci* 11:64.
12. Tripathi, C., **Mahato, N.K.**, Singh, A.K., Kamra, K., Korpole, S. & Lal, R. 2016. *Lampropedia cohaerens* sp. nov., a biofilm-forming bacterium isolated from microbial mats of a hot water spring, and emended description of the genus *Lampropedia*. *Int J Syst Evol Microbiol* 66:1156-1162.
13. Nayyar, N., Kohli, P., **Mahato, N.K.** & Lal, R. 2016. *Pontibacter mucosus* sp. nov., isolated from hexachlorocyclohexane contaminated pond sediment. *Int J Syst Evol Microbiol* 66:2234-40.
14. **Mahato, N.K.**, Tripathi, C., Verma, H., Singh, N. & Lal, R. 2014. Draft Genome Sequence of *Deinococcus* sp. strain RL isolated from sediments of Hot Spring located at Manikaran, India. *Genome Announc* 2:e00703-14.
15. Nayyar, N., Sangwan, N., Kohli, P., Verma, H., Kumar, R., Negi, V., Oldach, P., **Mahato, N.K.**, Gupta, V. & Lal, R. 2014. Hexachlorocyclohexane: persistence, toxicity and decontamination. *Rev Environ Health* 29:49-52.
16. Mukherjee, U., Kumar, R., **Mahato, N.K.**, Khurana, J.P. & Lal, R. 2013. Draft Genome Sequence of *Sphingobium* sp. HDIPO4, an Avid Degrader of Hexachlorocyclohexane. *Genome Announc* 1:e00749-13.

Chapters

in

Book

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1. Hira, P., Sood, U., Gupta, V., Nayyar, N., **Mahato, N.K.**, Singh, Y., Lal, R., Shakarad, M. 2017. Human Microbiome: Implications on Health and Disease, in *Genome Analysis and Human Health*. (Editor: Rawal, L.; Ali, S.) Springer Singapore. 10.1007/978-981-10-4298-0.
 2. **Mahato, N.K.** 2016. Quantification of DNA, in *An Introduction to Biotechnology: A Genetic Manipulation Perspective*. (Editor: Lal, R.) I. K. International Pvt. Ltd., New Delhi. 122-128.

Poster and Oral Presentations

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- **Mahato, N.K.**, Sharma, A., Singh, Y. and Lal, R. "Microbial Community Dynamics Alters With Temperature In A High Altitude Hot Spring". Poster presented in 61st Annual Conference of Association of Microbiologists of India (AMI-2021) and Indian Network for Soil Contamination Research (INSCR) in association with The Energy

and Resources Institute (TERI), Department of Zoology, University of Delhi (DU), Indian Agricultural Research Institute (IARI) & Indian National Science Academy (INSA) on “Microbial World: Recent Developments in Health, Agriculture and Environmental Sciences” from February 3-5, 2021.

- **Mahato, N.K.**, Kumar, R., Nagar, S., Negi, R.K.; Singh, Y. and Lal, R. “Understanding Niche Specific adaptations to polyextremophily using comparative genomic analysis of Genus *Deinococcus*”. Poster presented in 58th Annual Conference of Association of Microbiologists of India (AMI-2017) & International Symposium on “Microbes for Sustainable Development: Scope & Applications” (MSDSA-2017) from November 16-19, 2017.
- **Oral presentation** on the topic “**Comparative Genomics of Genus *Deinococcus*: Insights into adaptation to harsh conditions**” in INSCR International Conference under the aegis of INSCR (Indian Network for Soil Contamination Research) and Department of Zoology, University of Delhi on September 26-28, 2017.
- **Mahato, N.K.**, Sharma, A., Singh, Y., and Lal, R. “Insights into temperature modulated community dynamics of an arsenic rich himalayan geothermal spring”. Poster presented in 7th Congress of European Microbiologists (FEMS-2017) held at Feria Valencia, Valencia, Spain from July 9-13, 2017.
- Negi, V., **Mahato, N.K.** and Lal, R. “Metagenomic analysis of pond sediment to comprehend complex microbial interactions”. Poster presented in 3rd Thunen Symposium on soil metagenomics held at the Johann Heinrich Von Thunen-Institut, Braunschweig, Germany from December 14-16, 2016.
- **Mahato, N.K.**, Sharma, A., Singh, Y. and Lal, R. "Comparative metagenomic analyses of an Indian Hot Water Spring Showed Temperature Driven Community and Functional Dynamics". Poster presented in the 57th Annual Conference of Association of Microbiologists of India (AMI) held at Gauhati University, Guwahati, India from November 24-27, 2016.
- Kumar, R., Nagar, S., Puri, A., Bajaj, A., Gupta, V., **Mahato, N.K.**, Sood, U., Negi, R.K., Shakarad, M.K., Singh, Y. and Lal, R. “Comparative Genomic Analysis of genus *Parapedobacter*: Insights into the genetic attributes and genomic characteristic traits”. Poster presented in the 57th Annual Conference of Association of Microbiologists of India (AMI) held at Gauhati University, Guwahati, India from November 24-27, 2016.
- Nayyar, N., Kohli, P., **Mahato, N.K.** and Lal, R. "A novel bacterial strain (PB3T), belonging to the genus *Pontibacter*, isolated from a pond sediment contaminated with Hexachlorocyclohexane (HCH)." Poster presented in the 57th Annual Conference of Association of Microbiologists of India (AMI) held at Gauhati University, Guwahati, India from November 24-27, 2016.
- Tripathi, C., **Mahato, N.K.**, Rani, P., Singh, Y., Kamra, K. and Lal, R. "Whole genome analysis of *Lamprospedia cohaerens*, a biofilm forming bacterium isolated from hot spring microbial mats at Manikaran, India." Poster presented in the 57th Annual Conference of Association of Microbiologists of India (AMI) held at Gauhati University, Guwahati, India from November 24-27, 2016.

- **Oral presentation** on the topic “**Metagenomic Analyses of an Indian Hot Water Spring Revealing Temperature Constrained Community and Functional Diversity**” in Workshop on Microbial Genomics and Metagenomics held at Department of Zoology, University of Delhi, Delhi under the aegis of IUMS-INSA (International Union of Microbiological Societies-Indian National Science Academy), Association of Microbiologists of India Delhi Unit, University of Delhi and Indian Network for Soil Contamination Research (INSCR) on September 22, 2016.
- Tripathi, C., **Mahato, N. K.**, Singh, A. K., Kamra, K., Korpole, S., and Lal, R. “Characterization of and genomic insights into a biofilm forming and arsenic resistant bacterium *Lampropedia cohaerens* CT6^T isolated from the hot springs of Manikaran, India”. Poster presented in Microbiology Society Annual Conference held at Liverpool, U.K. from March 21-24, 2016.
- **Mahato, N. K.**, Tripathi, C., Nayyar, N., Singh, A.K., and Lal, R. “Taxonomical characterization of *Pontibacter ummariensis* sp. nov. NKM1^T, isolated from a hexachlorocyclohexane contaminated soil”. Poster presented in the 56th Annual Conference of Association of Microbiologists of India (AMI) held at Jawaharlal Nehru University, Delhi, India from December 7-10, 2015.
- **Oral Presentation** on the topic “Functional analysis of genomes at pathway level” in the workshop entitled as “Renovating Bacterial Taxonomy with Bioinformatics” organized under the aegis of Indian Council of Agricultural Research- National Bureau of Agriculturally Important Microorganisms (ICAR-NBAIM) and Department of Zoology, University of Delhi in May, 2015
- **Mahato, N.K.**, Tripathi, C., Verma, H., Singh, N., and Lal, R. “Draft genome sequence of an extremophile *Deinococcus* sp. Strain RL-An insight into resistance to environmental hazards”. Poster presented in the 55th Annual Conference of Association of Microbiologists of India (AMI) held at Tamil Nadu Agricultural University, Coimbatore, India from November 12-14, 2014.
- Tripathi, C., Dwivedi, V., **Mahato, N.K.**, and Lal, R. “Genome structure complexity, phylogenetic relationships and comparative genomics of the bacterial genus *Thermus*”. Poster presented in the 55th Annual Conference of Association of Microbiologists of India (AMI) held at Tamil Nadu Agricultural University, Coimbatore, India from November 12-14, 2014.
- Gupta, V., Maji, A., Misra, R., Sharma, A., **Mahato, N.K.**, Sood, U., Hira, P., Sharma, E., Shakarad, M., Khurana, J.P., Lal, R., and Singh, Y. “Effects of DOTS regimens on gut microbiota of TB patient of Indian cohort: an insight to microbial interaction with disease and antibiotics”. Poster presented in the 55th Annual Conference of Association of Microbiologists of India (AMI) held at Tamil Nadu Agricultural University, Coimbatore, India from November 12-14, 2014.
- **Best Poster Award by American Society for Microbiology. Mahato, N. K.**, Mukherjee, U., Kumar, R., Khurana, J. P., and Lal, R. “Draft genome sequence of Hexachlorocyclohexane degrading bacterium *Sphingobium* sp. strain HDIPO4”. Poster presented in the 54th Annual Conference of Association of Microbiologists of India

(AMI) held at Maharshi Dayanand University, Rohtak, Haryana, India from November 17-20, 2013.

- Negi, V., Sangwan, N., Kumar, R., Verma, H., **Mahato, N. K.**, and Lal, R. "Metagenomic analysis of contaminated pond soil at Chinhat, Lucknow to gauge xenobiotic degraders". Poster presented in the 54th Annual Conference of Association of Microbiologists of India (AMI) held at MDU, Rohtak, Haryana, India from November 17-20, 2013.

References

1. Prof. Rup Lal, Ph.D.

NASI Senior Scientist Platinum Jubilee Fellow, The Energy and Resources Institute (TERI), Lodhi Road, New Delhi-110003

E-mail: ruplal@gmail.com

2. Prof. Yogendra Singh, Ph.D.

Professor, Department of Zoology, University of Delhi, Delhi- 110007

E-mail: ysinghdu@gmail.com

Dr. Nitish Kumar Mahato, Ph.D.
Assistant Professor
University Department of Zoology
Kolhan University
Chaibasa
Jharkhand- 833202